

February 2015 Summary

National Weather Service Detroit/Pontiac



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Highlights

Detroit

- 2nd coldest February and 5th coldest month on record
- 10 lows below zero is second-most on record for February
- 5 record low mins and 1 record low max
- Average temperature comparable to normal February values for Edmonton, AB and Caribou, ME

Flint

- Coldest February and 2nd coldest month on record
- 11 lows below zero is tied for most on record for February
- 6 record low mins and 3 record low maxes
- Low of -25° on Feb 20 was lowest Feb temp of all time and tied for lowest temp of all time
- Average temperature comparable to normal February values for Regina, SK and Grand Forks, ND

Saginaw

- Coldest February and 3rd coldest month on record
- 10 lows below zero is third-most on record for February
- 5 record low mins and 2 record low maxes
- Average temperature comparable to normal February values for Regina, SK and Grand Forks, ND



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Coldest Months of All Time

(Avg. Temp °F)

Detroit

Records begin Jan 1874

Rank	Month	Temp
1	Feb 1875	12.2
2	Jan 1977	12.8
3	Jan 1912	13.1
4	Jan 1918	13.2
5	Feb 2015	14.1
6	Feb 1934	14.8
7	Jan 1875	15.3
8	Jan 1893	15.4
9	Feb 1936	16.0
10	Feb 1904	16.1

Flint

Records begin Jan 1921

Rank	Month	Temp
1	Jan 1977	10.9
2	Feb 2015	11.3
3	Feb 1979	12.8
4	Jan 1963	13.1
5	Feb 1978	13.4
6	Jan 1994	13.8
7	Jan 1984	14.3
8	Jan 2009	14.5
9	Feb 1963	14.9
10	Jan 1970	15.1

Saginaw

Records begin Jan 1912

Rank	Month	Temp
1	Jan 1912	9.4
2	Jan 1918	10.4
3	Feb 2015	11.5
4	Jan 1963	11.6
5	Jan 1994	12.1
6	Feb 1979	12.1
7	Jan 1920	12.7
8	Jan 1977	12.8
9	Feb 1914	13.0
10	Feb 1963	13.2



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Observed vs. Normal Feb Temps

For Selected Locations

OBSERVED
(°F)

	Detroit	Flint	Saginaw
Temp	14.1	11.3	11.5
Departure from normal	-14.0	-13.5	-13.0

NORMAL
(°F)

City	Temp	City	Temp
Fairbanks, AK	-1.3	Marquette, MI	15.5
Winnipeg, MB	8.2	Sault Ste. Marie, MI	17.6
Saskatoon, SK	9.5	Bismarck, ND	18.1
International Falls, MN	10.3	Anchorage, AK	20.2
Regina, SK	10.9	Green Bay, WI	20.3
Grand Forks, ND	12.0	Minneapolis, MN	20.8
Caribou, ME	14.1	Saginaw, MI	24.5
Edmonton, AB	14.3	Flint, MI	24.8
Fargo, ND	14.6	Detroit, MI	28.1
Duluth, MN	15.1	Miami, FL	70.2

Based on 1981–2010
normals. Canadian data
obtained from
Environment Canada
http://climate.weather.gc.ca/climate_normals/index_e.html#1981



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Number of Feb. Days Below Zero

Detroit

Records begin Jan 1874

Rank	Year	Num
1	1875	14
2	2015	10
2	1936	10
2	1885	10
5	1985	7
5	1982	7
5	1979	7
5	1934	7
9	1914	6
9	1905	6

Flint

Records begin Jan 1921

Rank	Year	Num
1	2015	11
1	1979	11
3	2014	10
3	1978	10
5	1963	9
6	1996	8
6	1967	8
6	1936	8
9	1982	7
10	1994	6

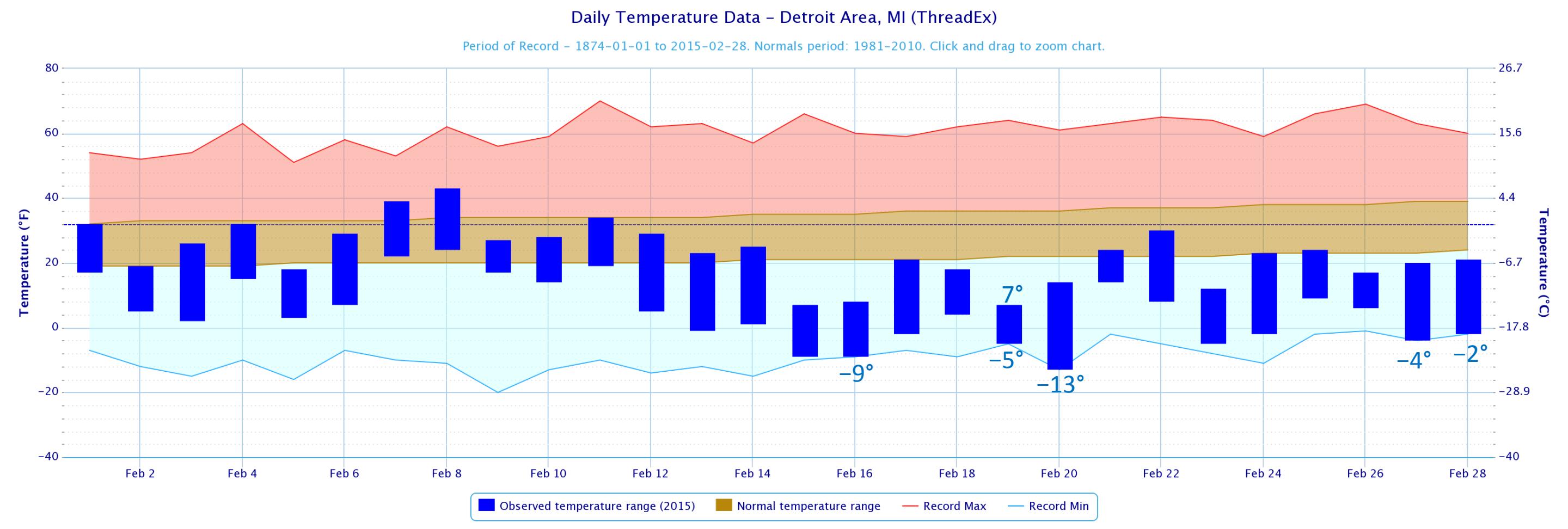
Saginaw

Records begin Jan 1912

Rank	Year	Num
1	1936	12
2	1979	11
3	2015	10
3	1934	10
3	1914	10
6	1963	9
6	1917	9
8	1920	7
8	1912	7
10	2014	6



Daily Temps and Records - Detroit



Annotated values indicate record low min or max values tied or broken in 2015



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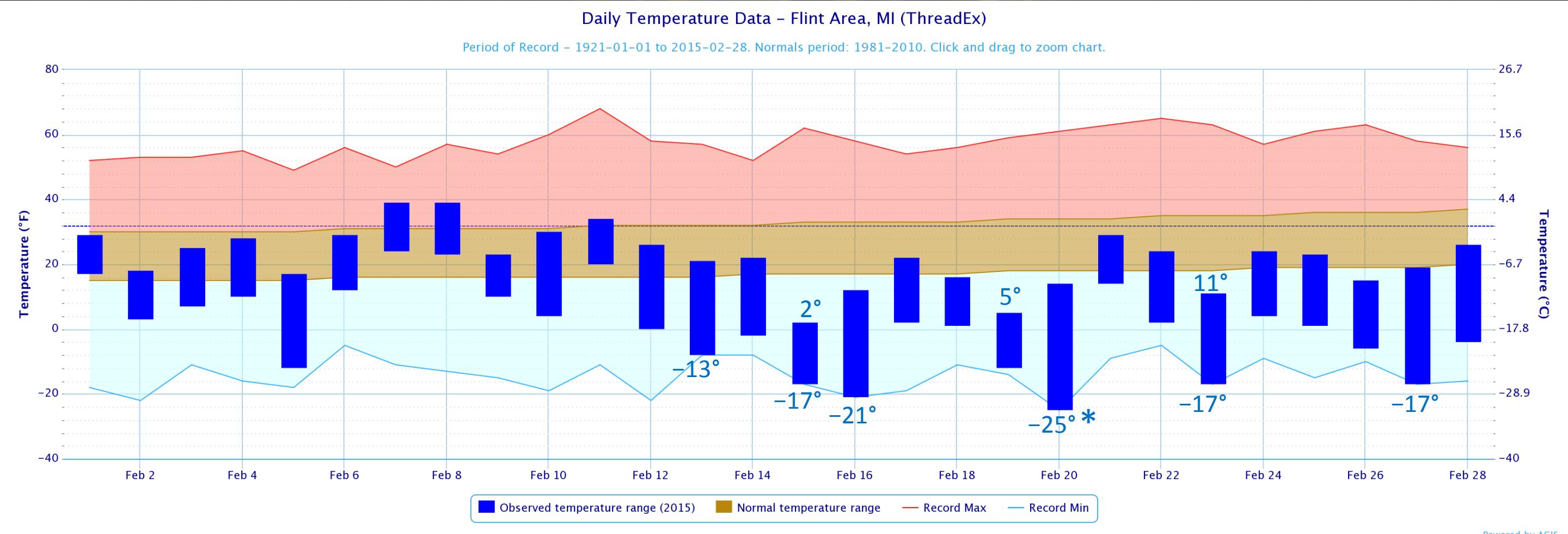


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Daily Temps and Records - Flint



Annotated values indicate record low min or max values tied or broken in 2015

- * Feb 20 low of -25° is the coldest February temp on record and ties for the coldest temp of all time (Jan 18, 1976)



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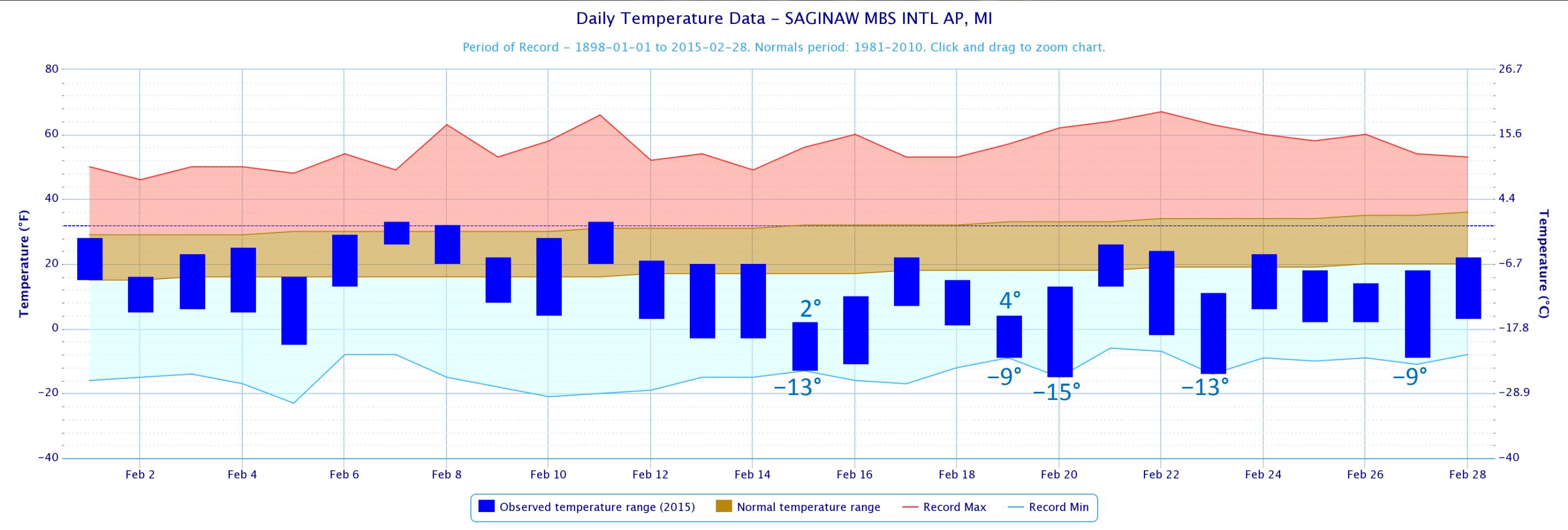


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Daily Temps and Records - Saginaw



Annotated values indicate record low min or max values tied or broken in 2015



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Other Cold Low Temperatures (°F)

FEB 16

Port Huron	-26
Lapeer	-25
Caro	-24
White Lake	-23
Bad Axe	-21
Owosso	-17
Pontiac	-17
Midland	-16
Howell	-16
Adrian	-13
Monroe	-13
Port Hope	-12
Ann Arbor (UM)	-11

FEB 20

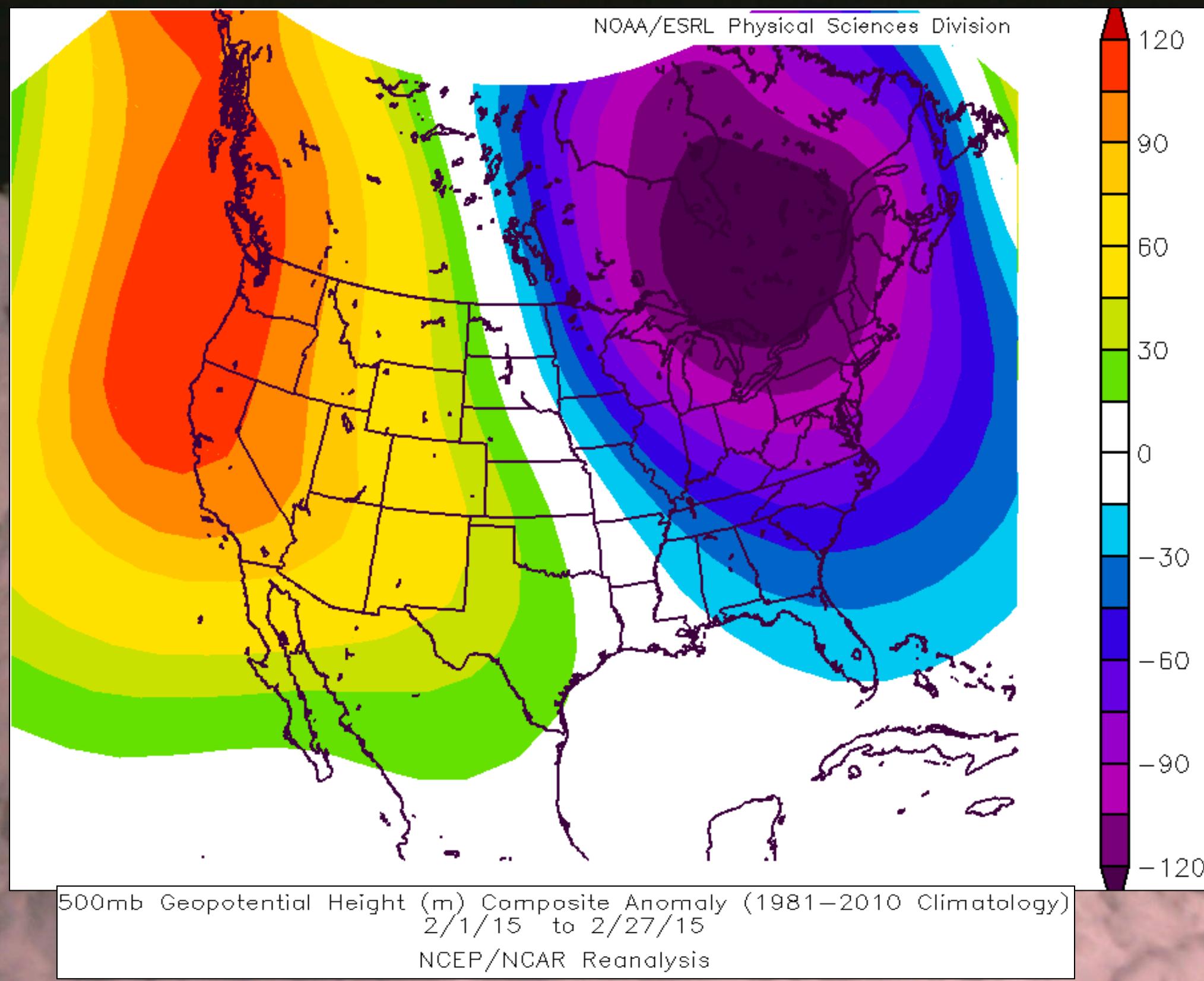
Port Huron	-29
Lapeer	-29
Caro	-28
White Lake	-25
Midland	-24
Bad Axe	-23
Owosso	-21
Adrian	-20
Pontiac	-19
Howell	-17
Port Hope	-16
Monroe	-15
Ann Arbor (UM)	-15

FEB 23

Caro	-21
Midland	-19
Owosso	-15
White Lake	-14
Bad Axe	-14
Port Huron	-11
Lapeer	-11
Howell	-10
Pontiac	-9
Monroe	-8
Ann Arbor (UM)	-7
Port Hope	-6
Adrian	-6



Persistent Ridge/Trough Pattern



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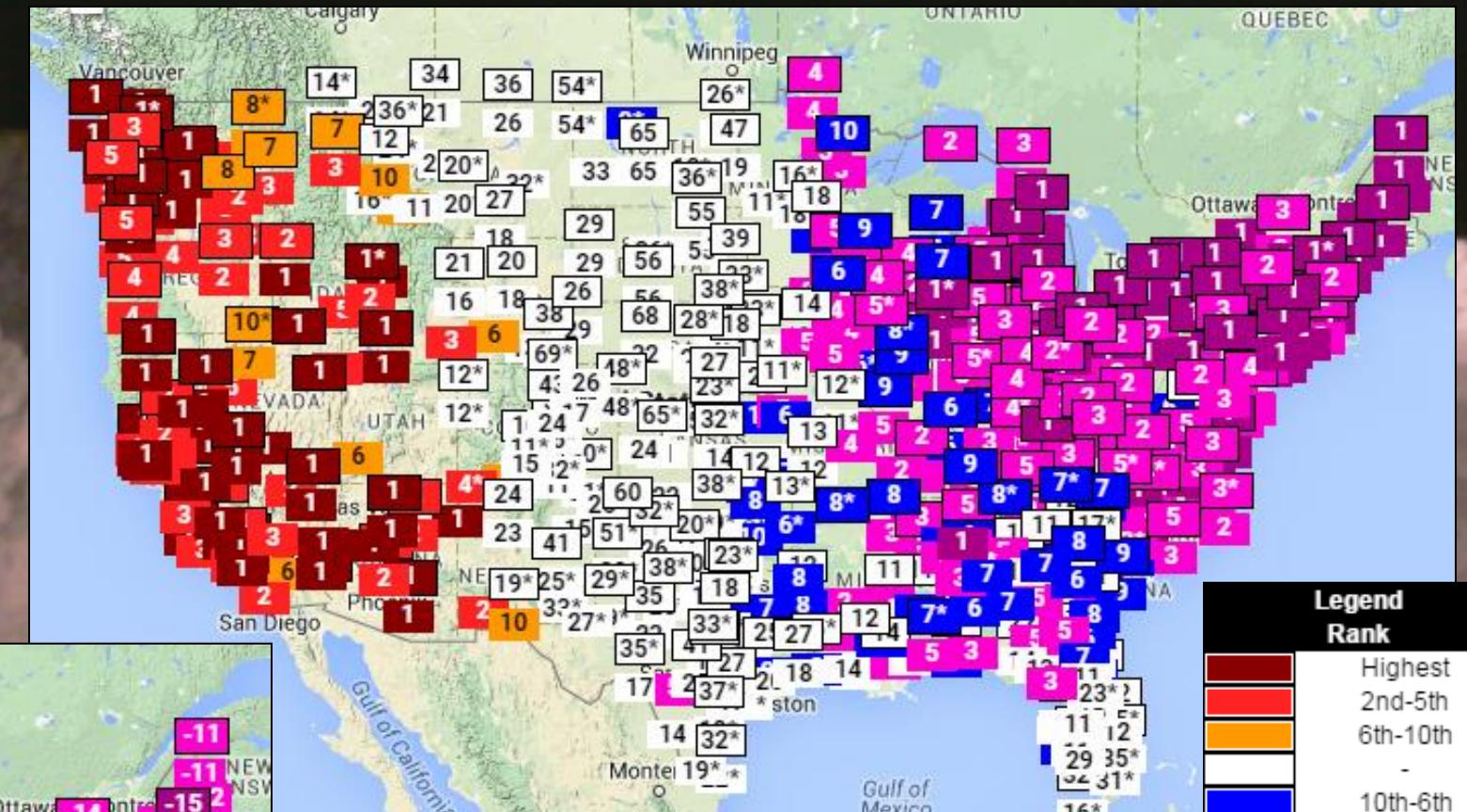
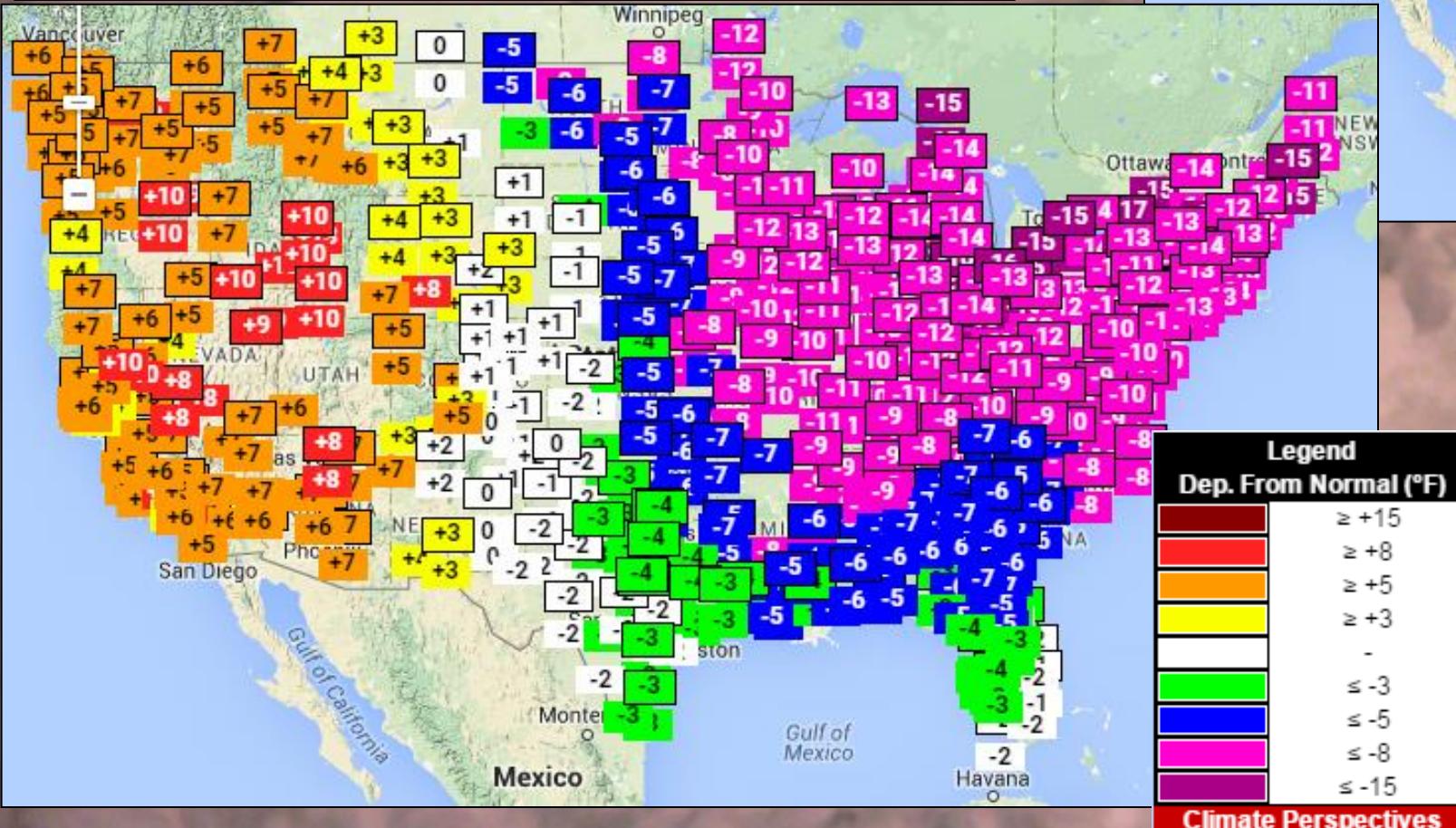


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Persistent Ridge/Trough Pattern



February average
temperature ranking

Data from Southeast Regional Climate Center
<http://www.sercc.com/perspectivesmap?region=conus>



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February Snowfall

Monthly	Detroit	Flint	Saginaw
Observed	26.4"	17.4"	16.2"
Rank	7 th snowiest	11 th snowiest	T-17 th snowiest
Departure from Normal	+16.2"	+6.6"	+7.6"

Much of the snowfall occurred during the [Feb. 1–2 storm](#), one of the largest on record for Detroit and Flint.

Feb 1–2	Detroit	Flint	Saginaw
Observed	16.7"	9.2"	7.1"
Rank (overall)	3 rd largest	22 nd largest	NA
Rank (Feb)	Largest	6 th largest	NA

